

ROY F. WESTON, INC. LIONVILLE ANALYTICAL LABORATORY ANALYTICAL CASE NARRATIVE

Client: WESTINGHOUSE HANFORD

W.O. #: 06168-002-001-9999-00

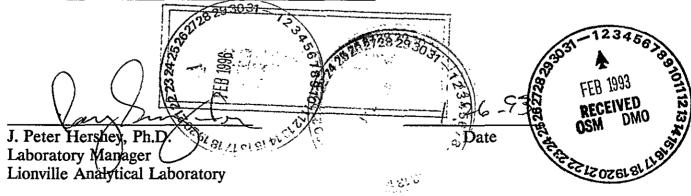
RFW#: 9212L094

Date Received: 12-18-92

INORGANIC

The following is a summary of the quality control results and a description of any problems encountered during the analysis of this batch of samples:

- 1. All sample holding times as required by 40CFR136 were met.
- 2. All preparation blank results were below the required detection limit.
- 3. All laboratory control standards (blank spikes) were within the control limits of 80-120% (70-130% for Total Organic Halides). All %RPD were within the 20% guidance limit (40% for Total Organic Halides).
- 4. All calibration verification checks were within the required control limits of 90-110%. Calibration verification is performed using independent standards.
- 5. Matrix spike recoveries are summarized on the Inorganic Accuracy Report contained within this document. All recoveries were within the 75-125% guidance limits (70-130% for Total Organic Halides). All %RPD were within the 20% guidance limit.
- 6. Replicate results are summarized on the Inorganic Precision Report contained within this document. All results were within the 20% RPD guidance limit.
- 7. The analytical methods applied by the laboratory, unless otherwise requested, for all inorganic analyses are derived from the USEPA Method for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020) and Standard Methods for the Examination of Water and Wastewater 16 ed.



ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 01/15/93

CLIENT: WESTINGHOUSE HANFORD WESTON BATCH #: 9212L094

WORK ORDER: 06168-002-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	BO7R79	Total Organic Carbon Total Organic Halides	1.3 20.0 u	MG/L UG/L	0.50 20.0
-002	B07R69	Total Organic Carbon Total Organic Halides	0.71 5.0 u	MG/L UG/L	0.50 5.0
-003	BO7RD9	Total Organic Carbon Total Organic Halides	0.50 u 5.0 u	MG/L UG/L	0.50 5.0
-004	B07R74	Total Organic Carbon Total Organic Halides	1.2 20.0	MG/L UG/L	0.50 5.0
-005	BO7QY7	Total Organic Carbon Total Organic Halides	0.50 u 5.0 u	MG/L UG/L	0.50 5.0

WESTON AF	_		С	ustod	ly Tra	nsf	er Re	core	d/L	ab	W	orl	ς R	eq	ue	st				Page		10	
Client			one-Ha	nford	· · · · · · · · · · · · · · · · · · ·	Refrige	erator #		т-	l	l		1	T	1	П	<u> </u>		T .	[•
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Date Rec'd Account #	l⊋l	בולטי	Date Due	1/22/93 21-08D	<u> </u>	REQU	STED		VOA	BNA	Pest PCB	Herb	4	ğ		Metal	õ						
MATRIX					Matrix							•	WE	STON	Anal	ytics l	Jse O	nly	+	-			
CODES:	l.ab		Client ID Des	crintion	QC Chosen	Matrix	Date	Time					7	X	ĺ								
S - Soil SE - Sediment	ID				(~)]	Collected	Collected					TOCH	Z)									I
SO - Solid SL - Sludge					MS MSD									14								\rightarrow	
W - Water O · Oil	व्या		27-R79		<u> </u>	W	12 17/12	1100]	X	X							<u> </u>		
A - Air DS - Drum	00.63		27 R69		_	W	12/14/12	1230					X	X					ļ			_	
Solids	003		77809			W	12/10/12	비탈					X	X								\dashv	
DL - Drum Liquids	ocy	<u>180</u>	7484			w	12/16/52	0930					X	X								\dashv]
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FIELD PERSON	INEL CO	MIDI ETE C	MI V CHARE	ADEAC		ATE/REV	ISIONS:								!								—
Special Instruc		MPLETE	NET SHADEL	MIEAS	'	AIEMEV	1510N5;									1	WES	TON	Analyt	ics Us	e Only		
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						Packag	34 ()), (or N	·														
3) Received in Good 3) Rec						3) Pres	ent on	Sampl	1e														
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		1	80 12/21		BES 1	2/1/2			$ \top $		$\exists \parallel$	NOTE	o :					or (N				
RFW 21 21 001 A-	7 91			L372	L	373	L37	5	_ L37	77	<u> </u>	L378	1	Ref#			Coole	er# S	int .	249		381 5	596a

PAIRL 694

Vesting	house
lanford	Company

CHAIN OF CUSTODY

PH BUTCHER ustody Form Initiator

Empany Contact PH BUTCHER

-oject Designation/Sampling Locations 100-FR-3

te Chest No. SWL- 249

'll of Lading/Airbill No.

2thod of Shipment EMERY

sipped to WESTON

:ssible Sample Hazards/Remarks

Telephone (509)376-5045

Collection Date 📝 😅 💥

Field Logbook No. 254 1-54

Offsite Property No. W93-6-4161-42

Sample Identification

7R79

1, 125ml, aGs, WATER, TOC (H2SO4) 1, 250ml, aGs, WATER, TOX (H2SO4)

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Hinquished by: L.D walker	Received by: AJSIM PSON	Date/Time: 12/17/92
elinquished by: AJSIMPSON	Received by:	Date/Time:
at inquished by:	Reconved by: E Shaff	Date/Time; 12-1610
alinquished by:	Received by:	Date/Time:
	Final Sample Disposition	
sposal Method:	Disposed by:	Date/Time:
:mments:		

(Westinghouse Hanford Company	SAMPLE ANALYSIS REQUEST			
		PARTI: FIELD SE	CTION		
	tee LD Walker Hact P.H. ButchER		Date Sampled 12/17/92 Time LICU hours Telephone (509) 376-5045		
nple nber	Number and Type of Sample Containers	Type of Sample*	Analysis Requested		
R79_	1, 125 Ml a G5	Water	ToC		
	1,250 mlaG5	Wate	Tox		
			·		
		<u> </u>			
			OPC: # W93-0-0151-ZZ		
		·	BOL: # 252156739T		
nform			TASK #: 92-398		
al Hand					
nie Sam					
		PARTII: LABORAT	ORY SECTION		
ved by		Title	Date		
	uired				

Westing:	house
Hanford	Company

Custody form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. ML - 2401

Bill of Lading/Airbill No. 252156 "739 T

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 157.6 Mil

Field Logbook No. ヨチンパッタ

Offsite Property No. W93-と にら1-2で

Sample Identification

BO 7 RG9

1, 125ml, aGs, WATER, TOC (H2SO4)

1, 250ml, aGs, WATER, TOX (H2SO4)

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Retinquished by: L. D walker	Received by: Refrig. #3	Date/Time: 12-16-92 / 1410
Relinguished by: AJSINIPSOL OSIMPSON	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time: 12/18/92 /60
Relinquished by:	Received by:	Date/Time:
	Final Sample Disposition	
Disposal Method:	Disposed by:	Date/Time:
Comments:		

(W)	Westinghouse
	Hanford Company

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION				
	itact P.H. BUTCHER	Date Sampled 12 16 47. Time 1230 hours Telephone (509) 376-5045		
Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested	
30 7249	1,125 MI a G5	Water	TOC	
	1,250 ml a G s	Water	Tox	
			·	
		•		
	_		OPC: # W93-0 0151-22	
			BOL: # 252156 139T TASK #: 92-398	
Field Inform				
Special Hand				
Possible Sam	iple Hazards			
		PARTII: LABORAT	ORY SECTION	
		Title	Date	
Analysis Rec	quired			

[&]quot;Indicate whether sample is soil, sludge, water, etc. ji is used to sample location."

Westingi	house
Hanford	Company

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. SWL-249

Bill of Lading/Airbill No. 2521561347

Method of Shipment EMERY

shipped to WESTON

Possible Sample Hazards/Remarks

Telephone (509)376-5045

Collection Date 12/16/92

Field Logbook No. ビデム・ルラシ

Offsite Property No. W93-CI-UISI - ZZ

Sample Identification

BO 7 R.DY

- 1, 125ml, aGs, WATER, TOC (H2SO4) 1, 250ml, aGs, WATER, TOX (H2SO4)

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: AJ SIMPSON	Received by: /l	Date/Time:
Retinquished by:	Received by:	Date/Time: 1610
Relinquished by:	Received by:	Date/Time:
Relinquished by:	Received by:	Date/Time:
	Final Sample Disposition	
Disposal Method:	Disposed by:	Date/Time:
Comments:		

A-6000-407 (12/90) (EF) WEF061 Chain of Custody

PARTI: FIELD SECTION PARTI: FIELD SECTION PARTI: PIELD SECTION PARTI: PIELD SECTION PARTI: LABORATORY SECTION PARTI: LABORATORY SECTION PARTI: LABORATORY SECTION Partin (Westinghouse Hanford Company	SAMPLE ANALYSIS REQUEST				
Sample Number and Type of Sample Type of Sample Number and Type of Sample Number and Type of Sample Type of Sample Tope of Sampl			PART I: FIELD SE	CTION		
Number Containers Type of Sample Analysis Requested						
1 250 ml a G5 Warter To Y	,		Type of Sample*	Analysis Requested		
OPC. # W93 - 0 - 0/6/1 - 2 L BOL : # 25L/56 / 24T TASK # : 92 - 34S	407RDT	1,125 Ml a Gs	Water	Toc		
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398		1,250 ml a Gs	Water	Tox		
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398						
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398						
OPC: # W93 - 0 - 0161 - 2 2 BOL: # 252156124T TASK # : 92 - 398 Special Handling and/or Storage PART II: LABORATORY SECTION eceived by						
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398						
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398						
OPC: # W93-0-0161-22 BOL: # 252156129T TASK #: 92-398						
BOL: # 251.156.1741T TASK #: 92 - 348 Field Information** Special Handling and/or Storage PART II: LABORATORY SECTION eceived by			<u> </u>			
BOL: * 251.156.1741T TAGK #: 92 - 348 Field Information** Special Handling and/or Storage PART II: LABORATORY SECTION eceived by						
TASK # : 92 - 398 Field Information** Special Handling and/or Storage Part II: Laboratory Section eceived by						
Special Handling and/or Storage PART II: LABORATORY SECTION eceived by						
PART II: LABORATORY SECTION eceived by	Field Infor	mation**				
PART II: LABORATORY SECTION eceived by Title Date						
PART II: LABORATORY SECTION eceived by Title Date	Special Ha					
PART II: LABORATORY SECTION eceived by Title Date	ossible Sa	ample Hazards				
eceived by Title Date		······································				
	eceived l	by				

[&]quot;Indicate whether sample is soil, sludge ফ্রিব্রেটি বি । । U
"Use back of page for additional information relative to sample location.

Westingi	house
Hanford	Company

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. SMI - 249

Bill of Lading/Airbill No. 752156 7347

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks

(509)376-5045 Telephone

Collection Date

Field Logbook No. 2 Feel (54

Offsite Property No. W93-C CISI-Z2

Sample Identification

BO 7874

1, 125ml, aGs, WATER, TOC (H2SO4)

1, 250m1, aGs, WATER, TOX (H2SO4)

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: DualKer	Received by: AJ SIMPSON af SIMPSON	Date/Time: 12/17/92 0951
Retinquished by: AJ SIMPSON AJ SIMPSON	Received by:	Date/Time:
Relinquished by:	Received by: -Braz E	Date/Time: /92 /6 12 /18 /92
Relinquished by: $oldsymbol{O}$	Received by:	Date/Time:
	Final Sample Disposition	
Disposal Method:	Disposed by:	Date/Time:
Comments:		

()	Westinghouse Hanford Company	SAMPLE ANALYSIS REQUEST			
		PART I: FIELD SEC	TION		
	tact PH. ButchER		Date Sampled Time _ <u>0930</u> hours Telephone (_509_) 376-5045		
Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested		
B07R74	1,125M1 aG5	Water	ToC		
	1,250 mlaGs	Water	Tox		
<u> </u>			OPC: # W93-0:0151-22		
			BOL: # 2521567347		
			TASK #: 92-398		
Field Informa					
Special Hand	tling and/or Storage				
Possible Sam	ple Hazards				
		PARTII: LABORATO	DRY SECTION		
		Title	Date		
Analysis Req	uired				

[&]quot;Indicate whether sample is soil, sludge, water; letc. U is U "Use back of page for additional information relative to sample location.

Westinghouse
Hanford Company

Custody form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-KR-4

Ice Chest No. Still -244

Bill of Lading/Airbill No. 252156 134T

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks

Telephone (509)376-5045 Collection Date 12 / 16/12

Field Logbook No. Til 1255

Offsite Property No. W93-0 Cist - 22

Sample Identification

BO 7677

1, 125ml, aGs, WATER, TOC (H2SO4)

1, 250ml, aGs, WATER, TOX (H2SO4)

Chain of Possession	(Sign and Print Names)
Received by: ATSTWFSON +TS 1411	المور Date/Time:
Received by:	Date/Time: Q 18 92 16 10
Received by:	Date/Time:
Received by:	Date/Time:
Final Sample Disposition	·
Disposed by:	Date/Time:
	Received by: Received by: Received by: Received by: Final Sample Disposition

, (V	Westinghouse Hanford Company	SAMPLE ANALYSIS REQUEST				
PART I: FIELD SECTION						
Mector KD Lee LD Walker Company Contact P.H. BUTCHER			Date Sampled 12 17 42 Time 1000 hours Telephone (509) 376-5045			
Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested			
107QY7	1,125 mi a Gs	Water	ToC			
	1,250 ml a Gs	Water	Tox			
		•				
			OPC: # W93-0-0151-22			
		·	BOL: # 252156739 T			
_			TASK #: 92-398			
Field Informa	ation**	· · · · · · · · · · · · · · · · · · ·				
			· · · · · · · · · · · · · · · · · · ·			
Special Hand	lling and/or Storage					
	J					

Analysis Required

Possible Sample Hazards ______

PART II: LABORATORY SECTION

eceived by ______ Title _____ Date _____

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ontractor ::.			OFF-SITE RTY CONTROL	(To	CONTROL o be obtained from PR	NUMBER OPERTY MANAG	EMENT)
		PART 1 - TO	BE COMPLETED BY C	RIGINATOR			
epartment		Section		U	nit sem,	** : ** *	
The fo	ollowing items are to be si	nipped from	Contractor	☐ Vendor			
Routi	ng Bulleran		Contractor	☐ Vendor			
	eni John Lobert Haliman Commission	:	Off-site Custodia	ın			
Quantity	Descri	iption (Include S	erial and any Govern	ment Tag Numbers)	Original C	ost
37	imple H: Coder ID: Coder ID: Coder ID: Coder ID: Coder ID: Coder ID:	ith ji saraz	-	Confluence		H A	
Classisia	"radeulite		<u></u>				
Classifie	d Unclassified ff-Site Use of this Property		Under DOE Contract	Shipped	Under Contractor's Us	e Permit Contrac	t
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<i>CERTIFICATI</i>	ON OF THE RADIATION AS	ONITORING DEL EA			IS STANTERIAL IS DELIN		ug.
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RM Clearance for P	oublic Release		RM Surv	THE SAME DAY TH		Date	
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RM Clearance for F Location of Proper	Public Release ty (Area & Bidg.)	Cost	RM Surv	THE SAME DAY TH		Date Phone	,
CERTIFICATI RM Clearance for F Location of Proper Date Ready for Shi	Public Release ty (Area & Bidg.)	Cost	RM Surv	THE SAME DAY TH	APPROXIMATE DATE THE	Date Phone	,

PART II - TO BE COMPLETED BY SHIPPING

Signature of Recipient	Return Order No	Date Issued	Purchase Order No.	Date Issued
Date				

DISTRIBUTION

By Originator White, Green, Yellow, Pink - Property Management U

Shipping Operation - Sign all Copies and Forward to: White - Property Management Green - Property Control Custodian (Issuing Office) Wellow Retain Pink - Originator





SIGNATURE AND TALLY RECORD

DATE:12-17-92 SHIPMENT NO.: 2521567321 SHIPPERMESTINGHOUSE SHIPPING DEPTISOR) 176-1565 REFERENCE NO.N93-0151 #22

SHIPPER	NAMEANDA	DDRESS			
WEST	INGHOUSE	SHIPP	ENG DE	PT (509)3	76-6655
U.S.	CEPART	ENT OF	ENERG	Y 0/0	
West	THGHOUSE	HAMFO	PA) COM	PANY	
2305	STEVENS	PATRE	301.0	ING 1153	62-05
44 4	A				

CONSIGNEE NAME AND ADDRESS
JOSIE KING

97 WESTON INC 209 WEISH 280 R640 1 TONVILLE PA 19341

PICHLAND, WA 98362

Pieces / Weight | Description/Marks polycooler 104 zoona | Emery Authorization No.

SHI-249 WATER'SAMPLES | Emery Authorization No.

EACH PERSON HANDLING OR TAKING CUSTODY OF THIS SHIPMENT MUST SIGN AND COMPLETE THE INFORMATION BELOW |
Name of Person/Company | Transship Point/Destination | Signature of Person Accepting Custody | Time/Date |

1. 2. 3. 4. 6. 7. 6.

SPECIAL HANDLING INSTRUCTIONS

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| LOBEL OF PAYMENT | | | Strvicts | t xii | ess 🗇 |
|---|--|---------------------|--|------------------------|--|
| Check Ca | FCCOD | | (Extra Charges) | Standard | Plus Business Documents |
| Bit to Bit to Party Shipper Cansurace Biting | VALUE | 71-175 | Second Day | Stan | ""日 Clearance 日: |
| E ASUZALSAS | WORLD | WIDE | Company Date Ongin | 2521 | 56739 T |
| From: | | To: | *** *** | | Tauff Dest. Galeway |
| WESTINGHOUSE SHIPPING D | EPT(509)376-6665 | 30511 | E-KING | <u>-</u> | |
| U.S. DEPARTMENT OF ENER
WESTINGHOUSE HANFORD | GY C70 | 1 | ON INC | | \$ |
| BLDG 1163
2395 STEVENS DRIVE | | 208 | VELSH POOL ROAD | Hold
for
Pick Up | transport to the second of the |
| RICHLAND | WA Canada | LIONV | /ILLE PA | Canada | , 1.
 |
| Customer's Reference Numbers
W81232 PD3BA W93-0151 | #22 97352 | E Con | signee's Account Number 19341 | | 4, |
| Description | Pos L W H | Total Weight | TOR INFORMATION OR RAI
CALL 1-800 #1 L*1 *1 | <i>F</i> - 7 | Declared Value |
| 1 POLYCOOLER | | 274 | (com tra-i : | <u></u> | \$ |
| WATER SAMPLES SML-249 | | 37# | 2521567 | 39T | |
| Remarks | The company of the property of | Emery
ig is used | | | |
| OVERNIGHT DELIVERY | For shipments within the 50 United States Shipper has the option to check the box and, by checking, captees that the Zip Ship conditions, described in the area to the right, apply. | Urgent | THE THE WER COME UNE HER FER FER RICH | 11W WIN HILL LON | |
| SIGNATURE SECURITY SERV | this box and, by checking, urgent Letter conditions described in | Pack | | -44. | |
| Shipper's
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| • | nal Customs Value International | Insurance | | | |
| Base Charge Total Trav | sportation Charges Other Charges/P | dvance at Origin | Terms are Conditions of | Bitel | • • |
| | THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, NO. OF THE OWNER, | hamman yan Min | | | T |

VALIDATION SUMMARY

92126094-465-967

DATA QUALIFICATION SUMMARY

UNIT: 100-FR-3

DOCUMENT CONTROL NUMBER: WHC-SD-EN-TI-175

ANALYSES: Wet Chemistry

RFW NO.: 9212L094-WES-967

SDG NO.: B07R69

QUALIFICATION SUMMARY:

WET CHEMISTRY

Data from this package were not validated.

Pa121 694

Vestinghouse anford Company

CHAIN OF CUSTODY

stody Form Initiator PH BUTCHER

impany Contact PH BUTCHER

roject Designation/Sampling Locations 100-FR-3

:e Chest No. SML- 249

lt of Lading/Airbill No.

thod of Shipment EMERY

lipped to WESTON

ssible Sample Hazards/Remarks

Telephone (509)376-5045

Collection Date 📝 😅 😅 💥

Field Logbook No. エデムコンデザ

Offsite Property No. W93-0-0161-22

Sample Identification

TR79

1, 125ml, aGs, WATER, TOC (H2SO4) 1, 250ml, aGs, WATER, TOX (H2SO4)

| [] Field Transfer of Custody | Chain of Possession | (Sign and Print Names) |
|------------------------------|--------------------------|-----------------------------|
| Hinquished by: 1.0 wilker | Received by: AJSIM 150W | Date/Time: 12/17/92
09d6 |
| elinquished by: AJSIMPSON | Received by: | Date/Time: |
| tinquished by: | Recogned by: E Sharm | Date/Time; 18/92- 1610 |
| Hinquished by: | Received by: | Date/Time: |
| | Final Sample Disposition | |
| sposal Method: | Disposed by: | Date/Time: |

| . (| Westinghouse Hanford Company SAMPLE ANALYSIS REQUEST | | | | | |
|--------------|--|-----------------|--|------------|--|--|
| | | PARTI: FIELD SE | CTION | | | |
| | tact PH. BUTCHER | | Date Sampled 12(17) 42
Telephone (509) 376- | · | | |
| nple
nber | Number and Type of Sample
Containers | Type of Sample* | pe of Sample* Analysis Requested | | | |
| R79 | 1,125 ml a Gs | water | Toc | | | |
| | 1,250 ml a G s | Water | Τοχ | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | OPC: # W93-0-CISI . | | | |
| | | | BOL: # 252156739T | | | |
| nforma | ation** | | TASK #: 92-398 | , <u>.</u> | | |
| ıl Hand | | | | = '' ' | | |
| ile Sam | ple Hazards | | | | | |
| | | PARTII: LABORAT | ORY SECTION | | | |
| | | Title | | Date | | |
| 22 IVE | uired | | | | | |

| Westingi | nouse |
|----------|---------|
| Hanford | Company |

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. SML - 2401

Bill of Lading/Airbill No. 252156 739 T

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date $(m-1)^{\frac{1}{2}} \stackrel{d}{=} 2^{\frac{1}{2}}$

Field Logbook No. 332-1634

Offsite Property No. W93- と・じに1-Zマ

Sample Identification

BO 7 RG9

1, 125ml, aGs, WATER, TOC (H2SO4)

1, 250ml, aGs, WATER, TOX (H2SO4)

| [] Field Transfer of Custody | Chain of Possession | (Sign and Print Names) |
|------------------------------|--------------------------|----------------------------|
| Relinquished by: L.D walker | Received by: Retrig #3 | Date/Time: 12-16-92 / 1410 |
| Relinguished by: AJSINIPSC: | Received by: | Date/Time: |
| Relinquished by: | Received by: E | Date/Time: /92 /60 |
| Relinquished by: | Received by: | Date/Time: |
| | Final Samole Disposition | |
| Disposal Method: | Disposed by: | Date/Time: |
| Comments: | | |

| Westinghouse - Hanford Company | | ٠. | SAMPLE ANALYSIS REQUEST | |
|---|---|-----------------|---|--|
| PART I: FIELD SECTION | | | | |
| | tact P.H. ButchER | | Date Sampled 12 16 47 Time 12 30 hours Telephone (509) 376 - 5045 | |
| Sample
Number | Number and Type of Sample
Containers | Type of Sample* | Analysis Requested | |
| × 7269 | 1, 125 MI a G5 | Water | Toc | |
| | 1,250 ml a Gs | Water | Tox | |
| | | | | |
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| <u> </u> | | | | |
| | | | OPC: # W93-0 0151-22 | |
| . <u>. </u> | | · | BOL: # 252156 1391 | |
| | | | | |
| | dling and/or Storage | | TASK #: 92-398 | |

PART II: LABORATORY SECTION

eceived by ______ Title _____ Date _____

Analysis Required

A-6000-406 (05/90)

| Westing | house |
|---------|---------|
| Hanford | Company |

Custody form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. SML - 249

Bill of Lading/Airbill No. 252156124T

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A Telephone (509)376-5045

Collection Date '4/16/02

Field Logbook No. EFL. 1055

Offsite Property No. W93-0-U151 - ZZ

Sample Identification

BO 78.09

- 1, 125ml, aGs, WATER, TOC (H2SO4) 1, 250ml, aGs, WATER, TOX (H2SO4)

| [] Field Transfer of Custody | Chain of Possession | (Sign and Print Names) |
|------------------------------|--------------------------|--------------------------|
| Relinquished by: AJSIMPSON | Received by: / | Date/Time: |
| ig Simpson | | |
| Relinquished by: | Received by: | Date/Time: 12/18/97 1610 |
| Relinquished by: | Received by: | Date/Time: |
| Relinquished by: | Received by: | Date/Time: |
| | Finat Sample Disposition | |
| Disposat Method: | Disposed by: | Date/Time: |
| Comments: | | |

FRIG HZ

| . (3 | Westinghouse
Hanford Company | SAMPLE ANALYSIS REQUEST | |
|------------------|---|-------------------------|--|
| | | PART 1: FIELD SE | CTION |
| | tee LD Walker BUTCHER | | Date Sampled 17/16/92 Time 1153 hours Telephone (509) 376-5045 |
| Sample
Number | Number and Type of Sample
Containers | Type of Sample* | Analysis Requested |
| OTROI | 1, 125 Ml a G5 | water | ToC |
| | 1,250 ml a Gs | Water | Tox |
| | | | |
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| | | | DP(# W02 = 0 :0)(1 = 27- |
| | | | OPC: # W93-0-0151-22
BOL: # 2521361391T |
| | | | TASK # : 92- 398 |
| ield Inform | ation** | | |
| | | | |
| Special Han | dling and/or Storage | | |
| ossible San | | | |
| | | | |
| | | PARTII: LABORAT | ORY SECTION |
| | | | Date |
| Analysis Re | quired | | |

| Westinghouse | |
|-----------------|--|
| Hanford Company | |

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. SMIL - 749

Bill of Lading/Airbill No. 252156 7347

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks

Telephone (509)376-5045

Collection Date 1-14-92

Field Logbook No. 552-1094

Offsite Property No. W93-0-C151-Z2

Sample Identification

BO 7R74

1, 125ml, aGs, WATER, TOC (H2SO4)

N/A

1, 250ml, aGs, WATER, TOX (H2SO4)

| [] Field Transfer of Custody | Chain of Possession | (Sign and Print Names) |
|---|-----------------------------------|------------------------------|
| Relinquished by: D. walker | Received by: AJSIMPSEN af SIMPSON | Date/Time: /2/17/92 095/ |
| Relinquished by: AJ SIMPSON Of SIMPSON | Received by: | Date/Time: |
| Relinquished by: | Received by: | Date/Time:
12/18/92 /6 60 |
| Relinquished by: O | Received by: | Date/Time: |
| | Final Sample Disposition | |
| Disposal Method: | Disposed by: | Date/Time: |

| , (3 | Westinghouse Hanford Company SAMPLE ANALYSIS REQUEST | | |
|------------------|---|---|---|
| | | PART 1: FIELD SE | CTION |
| | tee LD Walker BUTCHER | | Date Sampled <u>12/16/42</u> Time <u>0.930</u> hours Telephone (509) 376-5045 |
| Sample
Number | Number and Type of Sample
Containers | Type of Sample* | Analysis Requested |
| 307R74 | 1,125M1 aGs | water | ToC |
| | 1 250 ml a Gs | Water | Tox |
| | | | |
| | | _ | |
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| | <u> </u> | | |
| | <u> </u> | | OPC: # W93-0-0151-22 |
| | | | 80L: * 252156734T |
| | | | TASK # : 92 - 398 |
| ield Inform | ation** | | |
| | | | |
| - | | | |
| ipecial Hand | tling and/or Storage | *************************************** | |
| | | | |
| Possible Sarr | | | |
| | | | |
| | | PARTII: LABORAT | ORY SECTION |
| | | | Date |
| | | | Date |
| | | | |

[&]quot;Indicate whether sample is soil, sludge, water, letc. U is U "Use back of page for additional information relative to sample location.

| Westingh | ouse |
|-----------|---------|
| Hanford (| Company |

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-KR-4

Ice Chest No. SALL-244

Bill of Lading/Airbill No. 252156 1347

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045 Collection Date 12 16/92 Field Logbook No. Tit

Offsite Property No. W93-0 "CISI - ZZ

Sample Identification

BO 7677

1, 125ml, aGs, WATER, TOC (H2SO4) 1, 250ml, aGs, WATER, TOX (H2SO4)

| [] Field Transfer of Custody | Chain of Possession | (Sign and Print Names) |
|------------------------------|--------------------------------|----------------------------|
| Relinquished by: HT SIMPSON | Received by: ATSIVAPSON +TS II | U-4- Date/Time: |
| Relinquished by: | Received by: | Date/Time:
Q 18/92 16'0 |
| Relinquished by: | Received by: | Date/Time: |
| Relinquished by: | Received by: | Date/Time: |
| | Final Sample Disposition | |
| Disposal Method: | Disposed by: | Date/Time: |
| Comments: | | |

| · (V | Westinghouse
Hanford Company | SAMPLE ANALYSIS REQUEST | |
|-----------------------|---|-------------------------|--|
| PART I: FIELD SECTION | | | |
| | Lee LD Walker tact P.H. ButchER | | Date Sampled 12/17/42 Time 1000 hours Telephone (509) 376-5045 |
| Sample
Number | Number and Type of Sample
Containers | Type of Sample* | Analysis Requested |
| 107QY7 | 1, 125 MI a Gs | water | Toc |
| | 1, 250 ml a Gs | Water | Tox |
| | | | |
| | | | |
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| | | | OPC: # W93-0-0151-ZZ |
| | | | 80L: # 25Z156739T |
| | | TASK # : 92 - 398 | |
| Field Inform | ation** | | |
| | | . | , |
| Special Hand | dling and/or Storage | | |
| Possible San | nple Hazards | | |
| | | | |
| | | PARTII: LABORAT | ORY SECTION |
| aceived by | , | Title | Date |
| Analysis Required | | | |

Indicate whether sample is soil, sludge watell etc. U U U

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 01/15/93

CLIENT: WESTINGHOUSE HANFORD

WORK ORDER: 06168-002-001-9999-00

WESTON BATCH #: 9212L094

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING
Limit |
|---------|---------|-----------------------|---------|-------|---|
| EB22228 | | | E====== | ===== | ======================================= |
| -001 | B07R79 | Total Organic Carbon | 1.3 | MG/L | 0.50 |
| | / | Total Organic Halides | 20.0 | UG/L | 20.0 |
| -002 | B07R69 | Total Organic Carbon | 0.71 | MG/L | سيد0.50 |
| | | Total Organic Halides | 5.0 u | ng/l | 5.0 |
| -003 | BO7RD9 | Total Organic Carbon | 0.50 u | MG/I | 0.50 |
| | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| -004 | B07R74 | Total Organic Carbon | 1,2 | MG/L | 0.50 |
| | | Total Organic Halides | 20.0 | UG/L | 5.0 |
| -005 | B07QY7 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| \ | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| | · 1 | | | | |

100-KR-47 402025 6126/93-17

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 01/15/93

CLIENT: WESTINGHOUSE HANFORD

WORK ORDER: 06168-002-001-9999-00

WESTON BATCH #: 9212L094

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING
LIMIT |
|--------|---------|---|----------------|-------|--|
| | | | ======= | ===== | ======================================= |
| -001 | B07R79 | Total Organic Carbon | 1.3 | MG/L | 0.50 |
| | | Total Organic Halides | 20.0 u | UG/L | 20.0 |
| -002 | B07R69 | Total Organic Carbon | 0.71 | MG/L | 0.50 |
| | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| -003 | BO7RD9 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| -004 | B07R74 | Total Organic Carbon | 1.2 | MG/L | 0.50 |
| , | · : | Total Organic Halides | 20.0 | UG/L | 5.0 |
| -005 | B070Y7. | Total Organic Carbon Total Organic Harrides | State Comments | OG/E | MARIE STATE OF THE |

NV 5/14/93 82 100-KR-4

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ROY F. WESTON INC. 1 1 0 3

INORGANIC DATA SUMMARY REPORT 01/15/93

CLIENT: WESTINGHOUSE HANFORD WORK ORDER: 06168-002-001-9999-00 WESTON BATCH #: 9212L094

| SAMPLE | SITE ID | Analyte
==================================== | RESULT | UNITS | REPORTING
LIMIT |
|--------|---------|---|--------|-------|--------------------|
| (-001 | B07R79 | Total Organic Carbon | 1.3 | MG/L | 0.50 |
| | | Total Organic Halides | 20.0 u | UG/L | 20.0 |
| -002 | B07R69 | Total Organic Carbon | 0.71 | MG/L | 0.50 |
| | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| -003 | BO7RD9 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| | | Total Organic Halides | 5.0 u | UG/L | 5.0 |
| -004 | B07R74 | Total Organic Carbon | 1.2 | MG/L | 0.50 |
| | | Total Organic Halides | 20.0 | UG/L | 5.0 |
| • | | | • | | • |

Total Organic Carbon Ca

100-FR-3 X02025 NV